RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/700, 816 B

Source: _____ IFW16

Date Processed by STIC: _____ 11/20/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: __10/700, 816_B__   CRF Edit Date: __11/20/2006__

Edited by: __DA__

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__✗__ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING   DATE: 11/20/2006
PATENT APPLICATION: **US/10/700,816B**   TIME: 10:20:18

        Input Set : **A:\pto.da.txt**
        Output Set: **N:\CRF4\11202006\J700816B.raw**

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 3 <110> APPLICANT: XU, ZUOSHANG
 4         ZAMORE, PHILIP D.
 6 <120> TITLE OF INVENTION: ALLELE-SPECIFIC RNA INTERFERENCE
 8 <130> FILE REFERENCE: UMY-038
10 <140> CURRENT APPLICATION NUMBER: 10/700,816B
11 <141> CURRENT FILING DATE: 2003-11-04
13 <150> PRIOR APPLICATION NUMBER: 60/423,507
14 <151> PRIOR FILING DATE: 2002-11-04
16 <150> PRIOR APPLICATION NUMBER: 60/488,283
17 <151> PRIOR FILING DATE: 2003-07-13
19 <160> NUMBER OF SEQ ID NOS: 19
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63 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
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RAW SEQUENCE LISTING   DATE: 11/20/2006
PATENT APPLICATION: US/10/700,816B   TIME: 10:20:18

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\11202006\J700816B.raw

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134 <210> SEQ ID NO: 8
135 <211> LENGTH: 48
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RAW SEQUENCE LISTING   DATE: 11/20/2006
PATENT APPLICATION: US/10/700,816B   TIME: 10:20:18

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\11202006\J700816B.raw**

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RAW SEQUENCE LISTING   DATE: 11/20/2006
PATENT APPLICATION: US/10/700,816B   TIME: 10:20:18

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\11202006\J700816B.raw

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275 ggcctgcatg gattccatgt tcatgagttt ggagataata cagcaggctg taccagtgca 180
276 ggtcctcact ttaatcctct atccagaaaa cacggtgggc caaaggatga agagaggcat 240
277 gttggagact tgggcaatgt gactgctgac aaagatggtg tggccgatgt gtctattgaa 300
278 gattctgtga tctcactctc aggagaccat tgcatcattg ccgcacact ggtggtccat 360
279 gaaaaagcag atgacttggg caaaggtgga aatgaagaaa gtacaaagac aggaaacgct 420
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293             20                  25                  30
295 Gly Ser Ile Lys Gly Leu Thr Glu Gly Leu His Gly Phe His Val His
296         35                  40                  45
298 Glu Phe Gly Asp Asn Thr Ala Gly Cys Thr Ser Ala Gly Pro His Phe
299     50                  55                  60
301 Asn Pro Leu Ser Arg Lys His Gly Gly Pro Lys Asp Glu Glu Arg His
302 65                  70                  75                  80
304 Val Gly Asp Leu Gly Asn Val Thr Ala Asp Lys Asp Gly Val Ala Asp
305                 85                  90                  95
307 Val Ser Ile Glu Asp Ser Val Ile Ser Leu Ser Gly Asp His Cys Ile
308             100                 105                 110
310 Ile Gly Arg Thr Leu Val Val His Glu Lys Ala Asp Asp Leu Gly Lys
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328 gggagtctcc ggcgcacgcg gcccccttggc ccgcccagt cattcccggc cactcgcgac 180
329 ccgaggctgc cgcagggggc gggctgagcg cgtgcgaggc cattggtttg gggccagagt 240
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337 gtaaatcagc tgtttctttt gttcagaaac tctctccaac tttgcacttt tcttaaagga 720
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VERIFICATION SUMMARY   DATE: 11/20/2006
PATENT APPLICATION: **US/10/700,816B**   TIME: 10:20:19

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\11202006\J700816B.raw**

Raw Sequence Listing before editing
(for reference only)

RAW SEQUENCE LISTING   DATE: 11/09/2006
PATENT APPLICATION: US/10/700,816B   TIME: 09:37:13

Input Set : A:\SEQUENCE LISTING.txt
Output Set: N:\CRF4\11092006\J700816B.raw

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 3 <110> APPLICANT: XU, ZUOSHANG
 4        ZAMORE, PHILIP D.
 6 <120> TITLE OF INVENTION: ALLELE-SPECIFIC RNA INTERFERENCE
 8 <130> FILE REFERENCE: UMY-038
10 <140> CURRENT APPLICATION NUMBER: 10/700,816B
11 <141> CURRENT FILING DATE: 2003-11-04
13 <150> PRIOR APPLICATION NUMBER: 60/423,507
14 <151> PRIOR FILING DATE: 2002-11-04
16 <150> PRIOR APPLICATION NUMBER: 60/488,283
17 <151> PRIOR FILING DATE: 2003-07-18
19 <160> NUMBER OF SEQ ID NOS: 19
21 <170> SOFTWARE: PatentIn Ver. 3.3
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Does Not Comply
Corrected Diskette Needed
C p₂ -2)

ERRORED SEQUENCES

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320 <210> SEQ ID NO: 19
321 <211> LENGTH: 2288
322 <212> TYPE: DNA
323 <213> ORGANISM: Homo sapiens
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328 gggagtctcc ggcgcacgcg gcccccttggc ccgccccagt cattcccggc cactcgcgac 180
329 ccgaggctgc cgcaggggggc gggctgagcg cgtgcgaggc cattggtttg gggccagagt 240
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335 agagcagtta agcagcttgc tggaggttca ctggctagaa agtggtcagc ctgggattgc 600
336 atggacggat ttttccactc ccaagtctgg ctgctttta cttcactgtg aggggtaaag 660
337 gtaaatcagc tgttttcttt gttcagaaac tctctccaac tttgcacttt tcttaaagga 720
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RAW SEQUENCE LISTING   DATE: 11/09/2006
PATENT APPLICATION: **US/10/700,816B**   TIME: 09:37:13

Input Set : **A:\SEQUENCE LISTING.txt**
Output Set: **N:\CRF4\11092006\J700816B.raw**

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350 ctttcacttt gattgttagt cgcgaattct aagatccaga taaactgtgt ttctgctttt 1500
351 aaactactaa atattagtat atctctctac taggattaat gttatttttc taatattatg 1560
352 aggttcttaa acatcttttg ggtattgttg ggaggaggta gtgattactt gacagcccaa 1620
353 agttatcttc ttaaaatttt ttacaggtcc atgaaaaagc agatgacttg ggcaaaggtg 1680
354 gaaatgaaga aagtacaaag acaggaaacg ctggaagtcg tttggcttgt ggtgtaattg 1740
355 ggatcgccca ataaacattc ccttggatgt agtctgaggc cccttaactc atctgttatc 1800
356 ctgctagctg tagaaatgta tcctgataaa cattaaacac tgtaatctta aaagtgtaat 1860
357 tgtgtgactt tttcagagtt gctttaaagt acctgtagtg agaaactgat ttatgatcac 1920
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359 tttgccagac ttaaatcaca gatgggtatt aaacttgtca gaatttcttt gtcattcaag 2040
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361 aactaaatta gctctgatac ttatttatat aaacagcttc agtggaacag atttagtaat 2160
362 actaacagtg atagcatttt attttgaaag tgttttgaga ccatcaaaat gcatacttta 2220
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VERIFICATION SUMMARY   DATE: 11/09/2006
PATENT APPLICATION: **US/10/700,816B**   TIME: 09:37:14

Input Set : **A:\SEQUENCE LISTING.txt**
Output Set: **N:\CRF4\11092006\J700816B.raw**

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L:367 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=19
L:372 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2288 Found:2292 SEQ:19